

Admiralty Inlet GRP Strategies

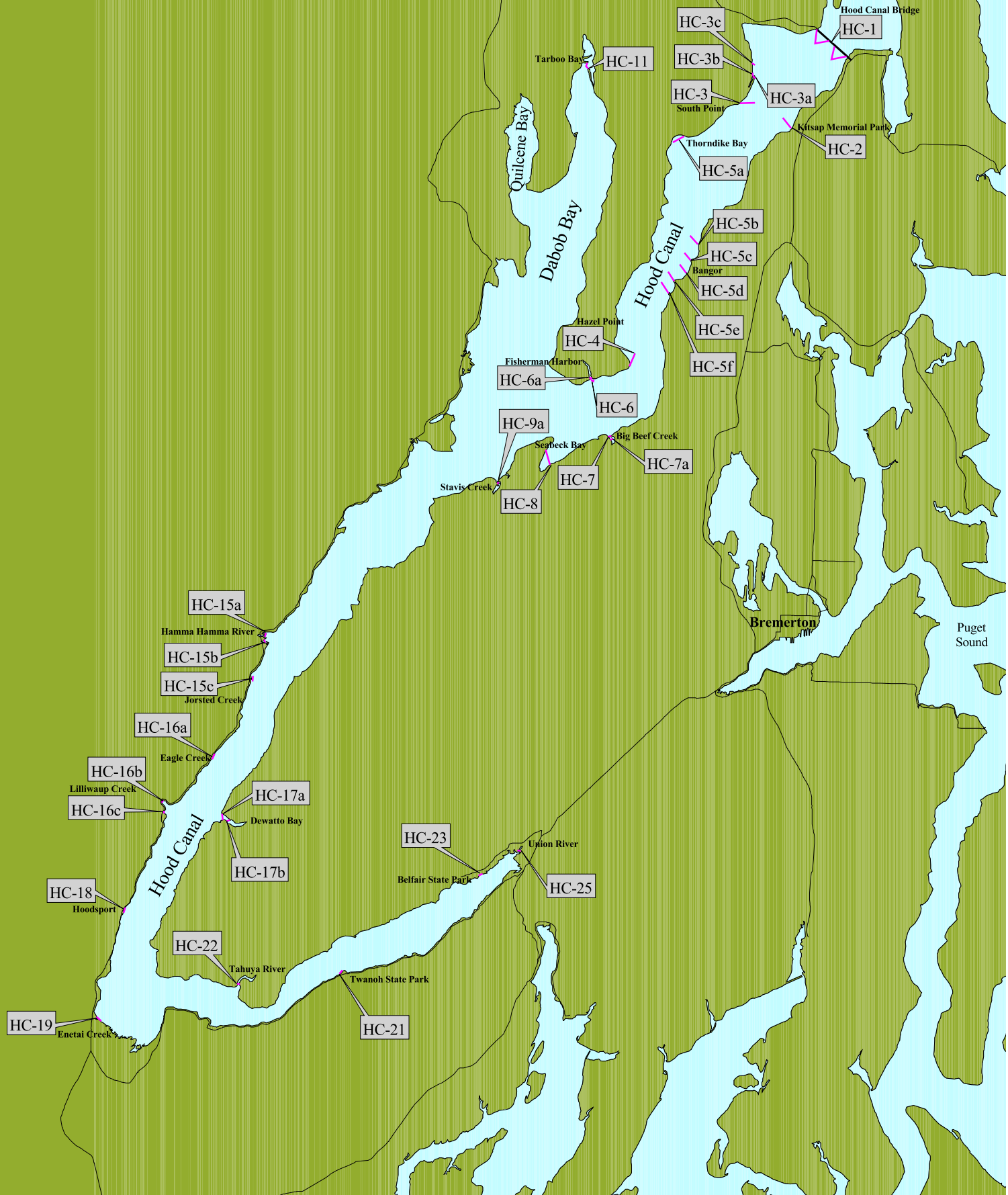
Use "zoom" tool to view detail of specific strategies



Hood Canal GRP Strategies

Use "zoom" tool to view detail of specific strategies

June 2001



ADMIRALTY INLET PROPOSED BOOMING AND COLLECTION STRATEGIES								
Strategy	Status	Location	Response Strategy	Length of Boom	Strategy Implementation	Staging Area	Site Access	Resources Protected
A-1a		Port Townsend Marine Science Center JEF0611 48 8.131 N 122 45.633 W	Exclusion - Protect Science Center pier	1200'	Enclose science center pier, protect water intakes	Science Center Pier	Road access to Science Center, boat ramp adjacent to Science Center	Science Center marine life
A-1b		Beach north of Point Hudson JEF0604 48 7.166 N 122 45.097 W	Deflection/ collection - Keep oil from moving into Port Townsend	1000'	Deploy boom at position where vac truck access is possible for shore-side collection	Fort Worden State Park	Port Townsend Marina or Fort Worden State Park	Protect waterfowl and seabird concentrations
A-2a	Field tested 8/20/96	Kilisut Harbor - North entrance JEF0476 48 2.515 N 122 43.875 W	Deflection - Keep oil out of harbor	3000'	Deploy three overlapping booms 1000' long each to deflect the oil past the entrance to the harbor. Current through the harbor entrance is very strong. Likely to work only with 12" fast water boom.	Fort Flagler State Park or Mystery Bay Boat Ramp	By boat from Fort Flagler or Mystery Bay	Fish & wildlife resources in Kilisut Harbor. Marine mammal haulout.
A-2b	Field tested 8/20/96	Kilisut Harbor - South entrance JEF0539 48 5.120 N 122 44.200 W	Deflection - Keep oil out of harbor	1000'	Deploy boom from south end of sand spit at south entrance to the harbor to deflect oil away from entrance. Current through the entrance is very strong. May only work with 12" fast water boom.	Fort Flagler State Park or Mystery Bay Boat Ramp	By boat from Fort Flagler or Mystery Bay	Fish & wildlife resources in Kilisut Harbor. Marine mammal haulout.
A-2c	Field tested 8/20/96	Kilisut Harbor - South entrance JEF0539 48 5.060 N 122 43.950 W	Collection - Keep oil out of harbor	1000'	Deploy boom from shore on Indian Island at angle to the west. Boom angle will need to be sharp due to strong current through entrance. Deploy boom at position where vac truck access is possible for shore-side collection.	Fort Flagler State Park or Mystery Bay Boat Ramp	By boat from Fort Flagler or Mystery Bay. Shoreline is U.S. Navy property, need permission for access.	Fish & wildlife resources in Kilisut Harbor. Marine mammal haulout.

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A-4		Kala Point - Marsh, south side JEF0579 48 3.352 N 122 46.120 W	Exclusion - Keep oil out of marsh.	200'	Place boom across entrance to marsh area south of the spit. Can be deployed from land.	Stage from Port Townsend.	By boat from Port Townsend. Vehicle access from north side of spit.	Protect sensitive marsh habitat.
A-5		Chimacum Creek Mouth JEF0570 48 2.943 N 122 46.332 W	Exclusion - Keep oil out of creek.	300'	Deploy boom at an angle across the creek mouth. Can be deployed from land with a jon boat.	Evergreen Logging Company on the south side of the creek.	Vehicle access from the Evergreen Logging Company on the south side of the creek.	Waterfowl concentration, salmonids.
A-6a	Field tested 12/94 MSRC/ Foss	Port Hadlock Tidal Marsh JEF0561 48 1.749 N 122 44.880 W	Exclusion - Keep oil out of marsh.	800'	Deploy boom from southeast side of Skunk Island directly south to shoreline west of marina.	Stage from Port Hadlock.	By boat from the Port Hadlock ramp, or from Port Townsend.	Waterfowl concentration, sensitive marsh
A-6b	Field tested 12/94	Port Hadlock Tidal Marsh JEF0561 48 1.827 N 122 44.965 W	Exclusion - Keep oil out of marsh.	600'	Deploy boom from west side of Skunk Island directly west to shoreline on sand spit.	Stage from Port Hadlock.	By boat from the Port Hadlock ramp, or from Port Townsend.	Waterfowl concentration, sensitive marsh
A-8		Old Port Townsend State Park JEF0588 48 4.766 N 122 47.172 W	Deflection - Keep oil away from park.	3200'	Set up series of overlapping deflection booms parallel to shore north of park. Old pilings along the shore may help hold the boom in place.	Stage at the park or from Port Townsend.	By boat from the Port Townsend Marina.	Sensitive nesting species; significant smelt spawning area

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A-9		Oak Bay - tidal marsh on SW side of Port Townsend Canal JEF0421 48 1.468 N 122 43.571 W	Exclusion - Keep oil out of wetlands.	100'	Place boom along entrance to backwater area adjacent to west side of dike/jetty. Access requires the use of a jon boat.	Stage from the Oak Bay Co. Park.	Oak Bay Co. Park ramp/road, ramp may be blocked by drift logs.	Wetland habitat, seabird and waterfowl concentrations
A-11		Kilisut Harbor - South culverts JEF0431 48 1.095 N 122 42.000 W	Exclusion - Keep oil out of marsh.	100'	Close tide gates; place boom across outlets on north side of road if gates can't be closed. Could also use plywood and sand bags to close off the culvert.	Stage from the Mystery Bay State Park.	Road access at Highway 116.	Salicornia salt marsh; waterfowl concentrations; marine mammal haulout; sensitive nesting species
A-11a		Kilisut Harbor - south end JEF0512 48 1.390 N 122 42.025 W	Exclusion - Keep oil out of marsh.	1200'	Place at northern most edge of salt marsh - low tide deployment.	Stage from the Mystery Bay State Park.	By boat from ramp at Mystery Bay State Park.	Salicornia salt marsh; waterfowl concentrations; marine mammal haulout; sensitive nesting species
A-12		Crocket Lake ISL0400 48 9.560 N 122 40.280 W	Exclusion - Keep oil out of lake.	100'	Place boom around culvert or use plywood to prevent oil from flowing into the lake. High tide strategy only.	Stage from the Fort Casey State Park.	Road access at Highway 20.	Waterfowl and shorebird concentrations
A-13		Lake Hancock - wetlands ISL0424 48 6.800 N 122 35.900 W	Exclusion - Keep oil out of wetlands.	100'	Place boom across entrance to lake. Current through entrance is likely to be too high for boom, block entrance with sand bags as an alternative. Use of sand bags will require an emergency HPA permit from WDFW. Position of entrance is variable and there may be more than one entrance.	Stage from the Fort Casey State Park.	Road access from Highway 525, small road north of lake leads to beach.	Waterfowl concentrations

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A-16		Deer Lagoon ISL0489 47 59.500 N 122 29.175 W	Exclusion/ diversion/ collection - Keep oil out of lagoon.	700'	Angle boom from west side of lagoon entrance to a collection point on the east shore	Stage from the Dave Mackie County Park (ISL0508).	By boat from ramp at Dave Mackie County Park (high tide only).	Waterfowl and shorebird concentrations; sensitive nesting species
A-16a		Tidal marsh southeast of Deer Lagoon ISL0496 47 59.290 N 122 28.300 W	Exclusion - Keep oil out of marsh.	200'	Deploy boom across entrance to marsh at west end, will need a jon boat.	Stage from the Dave Mackie County Park (ISL0508).	Road access off road to Deer Lagoon from Bay View Road.	Waterfowl and shorebird concentrations
A-17		Cultus Bay ISL0522 47 55.260 N 122 23.630 W	Exclusion - Keep oil out of inner bay.	1500'	Deploy boom from the north end of the residential area on the sand spit at the Cultus Bay marina (private) and run the boom directly north to the nearest shoreline where there is access for vac trucks to set up a collection point	Stage from the Possession boat ramp parking lot (ISL0003) or the Mukilteo State Park.	By boat from Possession ramp or Mukilteo State Park.	Waterfowl and shorebird concentrations; sensitive nesting species
A-19		Mats Mats Bay JEF0384 47 57.450 N 122 41.170 W	Exclusion/ diversion/ collection - Keep oil out of bay.	1000'	Deploy boom from west side of channel into the bay to shore south of gravel barge slips, and divert oil into cove for barge slips and collect with vac trucks	Stage from the boat ramp at south end of Mats Mats Bay.	Boat ramp at south end of Mats Mats Bay.	Sensitive nesting species
A-20		Port Ludlow tidal marsh - SE corner of bay JEF0358 47 54.945 N 122 41.400 W	Exclusion - Keep oil out of marsh.	100'	Deploy boom across entrance to marsh	Stage from the Port Ludlow Marina (JEF0370).	By boat from Port Ludlow Marina.	Waterfowl and shorebird concentrations, marsh habitat.

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A-20a		Port Ludlow mud flats - NW corner of bay JEF0364 47 55.065 N 122 41.975 W	Exclusion - Keep oil out of mud flats.	600'	Deploy boom across inlet mouth	Stage from the Port Ludlow Marina (JEF0370).	By boat from Port Ludlow Marina.	Waterfowl and shorebird concentrations
A-20b		Northspit - tidal marsh south of Foulweather Bluff KIT0385 47 55.790 N 122 36.805 W	Exclusion - Keep oil out of marsh.	100'	Deploy boom across entrance to marsh at SE corner of spit	Stage from the Salsbury Point County Park (KIT0435).	By boat from ramp at park.	Waterfowl and shorebird concentrations, marsh habitat.
A-21		Bywater Bay at Hood Head JEF0330 47 52.700 N 122 37.655 W	Exclusion - Keep oil out of bay.	2500'	Place chevron at mouth of bay, 1000' west leg, 1500' east leg.	Stage from the boat ramp north of Hood Canal bridge on west shore (JEF0311).	By boat from the ramp at the Hood Canal Bridge, possible access by ATV.	Sensitive nesting species, eelgrass, shellfish and baitfish
A-21a		Bywater Bay at Hood Head JEF0330 47 52.915 N 122 37.675 W	Deflection/ Collection - Deflect oil to west side of bay for collection.	2000'	Angle boom behind the chevron from Hood Head to the back of bay, collect any entrained oil in the NW corner of bay.	Stage from the boat ramp north of Hood Canal bridge on west shore (JEF0311).	By boat from the ramp at the Hood Canal Bridge, possible access by ATV.	Sensitive nesting species, eelgrass, shellfish and baitfish
A-21b		Bywater Bay at Hood Head JEF0330 47 53.340 N 122 37.655 W	Exclusion - Keep oil out of bay/ mud flats.	200'	Place 200' between Bywater bay and small bay/ mud flats to the west	Stage from the boat ramp north of Hood Canal bridge on west shore (JEF0311).	By boat from the ramp at the Hood Canal Bridge, possible access by ATV.	Sensitive nesting species, eelgrass, shellfish and baitfish

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A-21c		Bywater Bay (spit on north end) JEF0331 47 53.375 N 122 37.860 W	Exclusion/ Diversion - Keep oil out of bay.	4000'	Place 2 chevrons (500' each leg) in front of E and W low points on the spit. String 2000' between the chevrons.	Stage from the boat ramp north of Hood Canal bridge on west shore (JEF0311).	By boat from the ramp at the Hood Canal Bridge, possible access by ATV.	Sensitive nesting species, eelgrass, shellfish and baitfish
A-22		Port Gamble KIT0430 47 51.360 N 122 34.670 W	Deflection/ Collection - Keep oil out of Port Gamble.	1800'	Angle boom from Rip-Rap breakwater just North of Mill to pier at Pt. Julia. Collect oil with vac trucks at pier	Stage from Port Gamble.	Boat, road access from Port Gamble mill and Port Gamble Indian Reservation (need permission).	Sensitive nesting species, seabird concentrations, baitfish spawning beaches, and marine mammal haulout.
A-22a		Port Gamble, south end KIT0421 47 48.880 N 122 34.675 W	Exclusion - Keep oil out of mud flats at south end of Port Gamble.	200'	Deploy boom across narrowest opening at east end of spit	Stage from Port Gamble.	By boat from Port Gamble Indian Reservation (need permission).	Waterfowl and shorebird concentrations, mudflat habitat.
A-23a		Oak Bay - tidal marsh on SE side of Port Townsend Canal JEF0426 48 1.532 N 122 43.236 W	Exclusion - keep oil out of marsh.	200'	Place boom at marsh outlet south of road, will need a jon boat at high tide	Stage from the Day park off Marrowstone Island Road.	By land at day park off Marrowstone Island Road, or by water.	Salicornia salt marsh, seabird and waterfowl concentrations
A-23b		Oak Bay - tidal marsh on SE side of Port Townsend Canal JEF0425 48 1.699 N 122 43.583 W	Exclusion/ Deflection - keep oil out of marsh.	200'	Place boom at outlet to small marsh area, boom needs to be tended to deflect the oil away from the marsh opening depending on the direction of the current in the canal	Stage from the Day park off Marrowstone Island Road.	By boat in canal; also day park 1/4 mile walk on Marrowstone Island Road.	Salicornia salt marsh, seabird and waterfowl concentrations

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A-23c		Bishops Point - east shore of Indian Island JEF0524 48 2.725 N 122 42.760 W	Exclusion - Keep oil out of marsh on point.	100'	Deploy boom at entrance to salt marsh	Stage from the Mystery Bay State Park.	By boat from the ramp at Mystery Bay State Park.	Salicornia salt marsh, waterfowl concentrations, sensitive nesting species
A-23d		Mystery Bay JEF0490 48 3.530 N 122 41.850 W	Exclusion - Keep oil out of marsh.	100'	Deploy boom at entrance to salt marsh on N.E. shore	Stage from the Mystery Bay State Park.	By land from Mystery Bay State Park, or by boat from ramp at park.	Salicornia salt marsh, waterfowl concentrations, sensitive nesting species
A-23e		Mystery Bay JEF0497 48 3.080 N 122 41.520 W	Exclusion/ deflection/ collection - Keep oil out of marsh/ mud flats.	1000'	Deploy boom from east shore of bay at an angle to the west shore for collection	Stage from the Mystery Bay State Park.	By boat from the ramp at Mystery Bay State Park.	Salicornia salt marsh, waterfowl concentrations, sensitive nesting species

HOOD CANAL PROPOSED BOOMING AND COLLECTION STRATEGIES								
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HC-1		Hood Canal Bridge KIT0436 and JEF0311 47 51.585 N 122 37.455 W	Enhanced Skimming - Keep oil out of Hood Canal.	2200'	Place boom at openings in Hood Canal bridge to funnel oil to skimmers w/ boom legs in "V" configuration (high priority strategy).	Stage from Salsbury Point County Park	By boat, ramps on each side of bridge, some access from bridge.	Sensitive Hood Canal resources.
HC-2		Kitsap Memorial Park - North of Lofall KIT0446 47 48.925 N 122 39.359 W	Diversion/ Collection - Keep oil out of Hood Canal.	1000'	Angle boom from pier at old ferry dock to divert oil for collection. Will be necessary only when a west wind pushes the oil to this shore.	Stage from the South Point Ferry Dock old ferry building parking lot, Lofall Pier.	By boat, ramps on each side of the Hood Canal bridge, Kitsap Memorial Park.	Protect fish and wildlife resources.
HC-3		South Point JEF0283 47 49.945 N 122 41.242 W	Diversion/ Collection - Keep oil out of Hood Canal.	1000'	Angle boom to divert oil into collection area near old ferry dock. Need boat to tend end of boom. Will be necessary only if an east wind pushes the oil to this shore.	Stage from the South Point Ferry Dock old ferry building parking lot, Lofall Pier.	Shine Tidelands and other access point south of Lofall owned by the Navy - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.
HC-3a		South end of Squamish Harbor N of South Pt. JEF0286 47 50.523 N 122 40.989 W	Exclusion - Keep oil from entering tidal marsh.	300'	Deploy boom across entrance to private marina to prevent oil from entering marsh behind breakwater.	Stage from Port Gamble.	By boat from Termination Pt., Squamish Harbor, or Shine Tidelands.	Marsh habitat and associated fish & wildlife.
HC-3b		South end of Squamish Harbor N of South Pt. JEF0286 47 50.581 N 122 41.029 W	Exclusion - Keep oil from entering tidal marsh.	500'	Deploy boom from breakwater to the sand spit to the north.	Stage from Port Gamble.	By boat from Termination Pt., Squamish Harbor, or Shine Tidelands.	Marsh habitat and associated fish & wildlife.

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HC-3c		South end of Squamish Harbor N of South Pt. JEF0292 47 51.034 N 122 41.071 W	Exclusion - Keep oil from entering tidal marsh.	1200'	Deploy boom across north entrance to tidal marsh/ mud flats.	Stage from Port Gamble.	By boat from Termination Pt., Squamish Harbor, or Shine Tidelands.	Marsh habitat and associated fish & wildlife.
HC-4		Hazel Point JEF0234 47 41.594 N 122 46.271 W	Diversion/ Collection - Keep oil out of Hood Canal.	1000'	Angle boom from shore to divert oil to collection area near houses. Need to tend end of boom w/ boat. Use land anchor or chain bridle on Rip Rap.	Stage from Lofall or Bangor.	By boat from Bangor or Seabeck; road access from Dabob - Coyle Rd (dirt road access - difficult for vac. trucks) may need to bring in portable skimmers.	Sensitive nesting species; other Hood Canal resources.
HC-5a		Thorndike Bay JEF0267 47 48.585 N 122 44.653 W	Exclusion - Prevent oil from entering inner mouth of bay.	200'	Boom across gap in spit, anchor to shore. Water breaches spit at extreme high tide.	Stage from Lofall or Bangor.	By boat from Bangor or Lofall; vehicle access to spit from S Point - Thorndyke Road.	Sensitive nesting species, waterfowl concentrations.
HC-5b		Bangor KIT0463 47 45.302 N 122 43.304 W	Diversion/ Collection - Collect oil at pier.	500'	Place collection boom at Explosive Handling wharf.	On site; gyms/mess facilities on base (5-7 miles from water)	Roads available from Bangor - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.
HC-5c		Bangor KIT0464 47 44.867 N 122 43.679 W	Diversion/ Collection - Collect oil at pier.	500'	Place collection boom at Service Pier.	On site; gyms/mess facilities on base (5-7 miles from water).	Roads available from Bangor - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.

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HC-5d		Bangor KIT0465 47 44.625 N 122 44.020 W	Diversion/ Collection - Collect oil at pier.	500'	Place collection boom at Delta Pier.	On site; gyms/mess facilities on base (5-7 miles from water).	Roads available from Bangor - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.
HC-5e		Bangor KIT0467 47 44.176 N 122 44.418 W	Diversion/ Collection - Collect oil at pier.	500'	Place collection boom at Marginal Pier.	On site; gyms/mess facilities on base (5-7 miles from water).	Roads available from Bangor - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.
HC-5f		Bangor KIT0468 47 43.770 N 122 44.635 W	Diversion/ Collection - Collect oil at pier.	500'	Place collection boom at KB docks.	On site; gyms/mess facilities on base (5-7 miles from water).	Roads available from Bangor - contact COMNAVBASE Seattle.	Protect fish and wildlife resources.
HC-6		Fisherman Harbor JEF0229 47 41.142 N 122 48.007 W	Exclusion - Keep oil out of harbor.	600'	Place chevron in front of harbor entrance. Low potential for oil to enter harbor.	Stage from Seabeck at Pleasant Harbor.	By boat from Seabeck or Bangor.	Shellfish, crabs & salmonids.
HC-6a		Fisherman Harbor, backup JEF0229 47 41.218 N 122 48.091 W	Exclusion - Keep oil out of harbor.	600'	If strategy at harbor entrance cannot be deployed, move back behind sand spit.	Stage from Seabeck at Pleasant Harbor.	By boat from Seabeck or Bangor.	Shellfish, crabs & salmonids.
HC-7		Big Beef Harbor (east of Seabeck) KIT0486 47 39.351 N 122 47.163 W	Exclusion - Keep oil out of harbor.	100'	Deploy boom across entrance to harbor at road crossing.	Stage from Seabeck or Scenic Beach State Park.	From the bridge at Seabeck Highway.	Sensitive nesting species; shorebird concentration; hatchery.

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HC-7a		Big Beef Harbor, backup KIT0486 47 39.309 N 122 47.052 W	Exclusion - Keep oil out of harbor.	400'	If strategy at bay entrance fails, move back behind bridge, will need a small boat or skiff.	Stage from Seabeck or Scenic Beach State Park.	From the bridge at Seabeck Highway.	Sensitive nesting species; shorebird concentration; hatchery.
HC-8		Seabeck Bay KIT0492 47 38.405 N 122 50.471 W	Exclusion/diversion/ collection - Keep oil out of bay.	2000'	Anchor boom to shore just south of marina at rip-rap and run to opposite side of bay at an angle to collect at the road. A north wind is likely to push any oil from the north into Seabeck Bay.	Stage from Seabeck or Scenic Beach State Park.	By boat from the ramp at Miami Beach or at Seabeck; vehicle access from the Seabeck Highway.	Waterfowl concentrations and baitfish spawning.
HC-9a		Stavis Bay KIT0507 47 37.858 N 122 52.083 W	Exclusion - Keep oil out of bay.	200'	Place boom across entrance to marsh area. Can be deployed from land, may need a jon boat at high tide.	Stage from Seabeck.	By boat from Miami Beach or Seabeck; vehicle access from private property.	Salmon and marsh habitat.
HC-11		Tarboo Bay (upper) JEF0161 47 50.594 N 122 48.773 W	Exclusion - Keep oil out of bay.	1500'	Deploy boom in chevron from Long spit to opposite shore. High tide strategy, area becomes a mud flat at low tide.	Stage from Quilcene Marina, Seabeck or Pleasant Harbor.	By shallow draft boat from Quilcene; potential vehicle access from Carl Johnson Rd.	Marine mammal haulouts, waterfowl and crab.
HC-15a		Hamma Hamma Estuary MAS0637 47 32.903 N 123 2.609 W	Exclusion - Keep oil out of tidal marsh.	500'	Deploy boom across entrance to tidal marsh at bridge on highway 101. Can be depolyed from land, may need a jon boat.	Stage from the Hamma Hamma Oyster Co.	From Highway 101.	Waterfowl concentrations; sensitive nesting species.
HC-15b		Hamma Hamma River MAS0637 47 32.729 N 123 2.533 W	Exclusion - Keep oil out of river.	300'	Deploy boom across river at bridge on highway 101. Can be deployed from land, may need a jon boat.	Stage from the Hamma Hamma Oyster Co.	From Highway 101 and dirt road on northeast side of bridge.	Waterfowl concentrations; sensitive nesting species, salmon.

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HC-15c		Jorsted Creek MAS0631 47 31.560 N 123 3.023 W	Exclusion - Keep oil out of creek mouth.	200'	Deploy boom at angle across creek mouth. Unlikely to enter creek mouth except on high spring tide. Can be deployed from land.	Stage from the Hamma Hamma Oyster Co.	From Highway 101. Private Property adjacent to creek.	Salmon.
HC-16a		Eagle Creek MAS0620 47 29.087 N 123 4.676 W	Exclusion - Keep oil out of creek mouth.	100'	Deploy boom at angle across creek mouth. Unlikely to enter creek mouth except on high spring tide. Can be deployed from land.	Stage from the Hamma Hamma Oyster Co.	From Highway 101.	Salmon.
HC-16b		Lilliwaup Creek Estuary MAS0611 47 27.802 N 123 6.836 W	Exclusion - Keep oil out of creek and estuary.	300'	Deploy boom at angle across river at bridge on Highway 101. Can be deployed from land, may need a jon boat.	Stage from the parking area near the bridge over Lilliwaup Creek.	From Highway 101.	Waterfowl and shorebird concentrations; salmon.
HC-16c		Small creek south of Lilliwaup Creek MAS0607 47 27.447 N 123 6.768 W	Exclusion - Keep oil out of creek.	100'	Deploy boom at angle across creek mouth. Unlikely to enter creek mouth except on high spring tide. Can be deployed from land.	Stage from the parking area near the bridge over Lilliwaup Creek.	From Highway 101.	Salmon.
HC-17a		Dewatto Bay MAS0410 47 27.237 N 123 4.036 W	Exclusion - Keep oil out of inlet & river.	1500'	Deploy boom from Dewatto Pt. north to opposite shore.	Stage from the Hamma Hamma Oyster Co. or Hoodsport WDFW hatchery.	Vehicle access from the Dewatto - Holly Road on the south side of the bay; by boat from Hoodsport on the north side.	Protect eelgrass beds at mouth of bay; sensitive nesting species; shorebird concentrations; salmonids in river.
HC-17b		Dewatto Bay MAS0413 47 27.116 N 123 3.731 W	Exclusion - Keep oil out of inlet & river.	800'	Backup for HC-17a. Deploy boom from spit on north shore to closest point on opposite shore. May need a shallow draft boat, area becomes a mudflat at low tide.	Stage from the Hamma Hamma Oyster Co. or Hoodsport WDFW hatchery.	Vehicle access from the Dewatto - Holly Road on the south side of the bay; by boat from Hoodsport on the north side.	Protect eelgrass beds at mouth of bay; sensitive nesting species; shorebird concentrations; salmonids in river.

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HC-18		Hoodspout MAS0593 47 24.386 N 123 8.313 W	Exclusion - Prevent oil from impacting WDFW hatchery.	100'	Boom off fish weir on S side of hatchery (high tide strategy). Can be deployed from land.	Stage from the WDFW hatchery.	By vehicle on the road to the hatchery.	WDFW hatchery.
HC-19		Enetai Creek MAS0580 47 21.288 N 123 9.556 W	Exclusion - Prevent oil from impacting Tribal hatchery.	100'	Deploy boom across creek south of Potlatch State Park. Can be deployed from land.	Stage from the Tribal hatchery or Potlatch State Park.	From Highway 101.	Tribal hatchery, salmon.
HC-21		Twanoh State Park MAS0534 47 22.715 N 122 58.472 W	Exclusion - Protect creek at State Park.	100'	Deploy boom across creek mouth at Twanoh State Park. Can be deployed from land.	Stage from the Twanoh State Park.	From Highway 106 to the Twanoh State Park.	State Park and salmon.
HC-22		Tahuya River MAS0452 47 22.242 N 123 3.088 W	Exclusion - Keep oil out of river.	400'	Deploy boom across narrowest point of river mouth.	Stage from the Twanoh State Park.	By boat from the Potlatch State Park or Union; vehicle access from private property off the North Shore Road.	Salmonids and shellfish habitat; seabird, waterfowl, and shorebird concentration areas.
HC-23		Mission Creek MAS0489 47-25.850 N 122-52.370 W	Exclusion - Keep oil out of creek.	100'	Deploy boom across the mouth of the creek. Can be deployed from land.	Stage from the Belfair State Park.	Vehicle access from the Belfair State Park, off the North Shore Road.	State Park and salmon.
HC-25		Union River MAS0499 47 26.755 N 122 50.435 W	Exclusion - Prevent oil from moving into river.	200'	Deploy boom across river at first access point in river mouth. Necessary at high tide only, river flow at low tide will prevent oil from moving upstream. Can be deployed from land with a jon boat.	Stage from the Belfair or Twanoh State Park.	Vehicle access from the North Shore Road.	Waterfowl concentrations, sensitive nesting species, wetlands, salmon.